

## Condenser for sea water application

---

Our S&T condensers for marine applications are manufactured with materials that protect the heat exchangers from the saline environment corrosion.

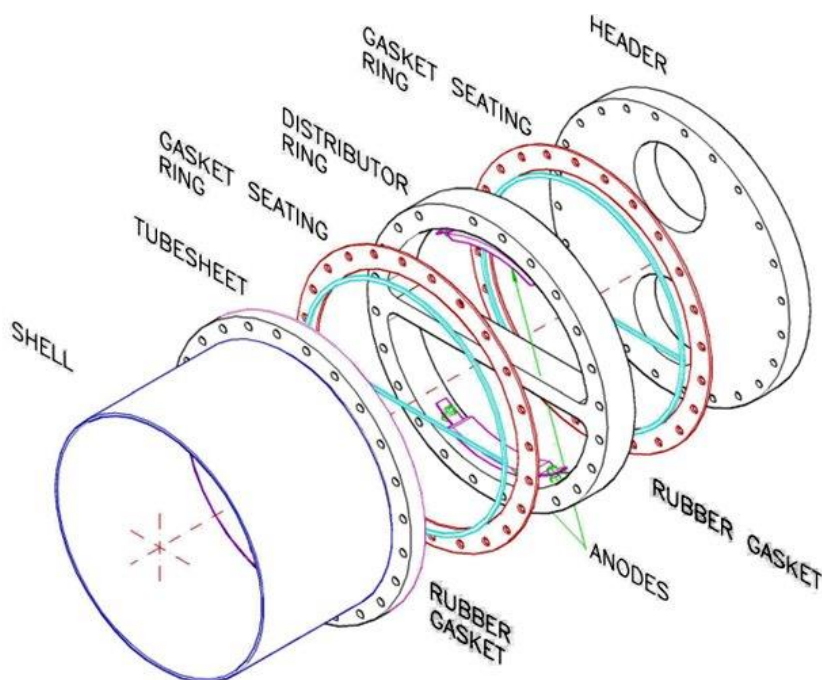
Copper-Nickel 90/10 (or CuNi 70/30) alloy materials are used for their resistance to corrosion and erosion.

The use of sacrificial anodes guarantees additional prevention from galvanic corrosion; these anodes need to be regularly checked and replaced if necessary.

In addition, the inner side of the water chambers of the heat exchanger can be treated with ceramic coating to protect the non-Copper-Nickel surfaces from seawater corrosion. This coating needs to be checked on a regular basis to ensure no “mechanical” damage has been done (for example, from circulating impurities in the water circuit such as seashells or sand).

Anti-corrosion measures used in the Wieland Provides sea water condensers:

- ✓ State of the art double enhanced CuNi 90/10 tubes (or CuNi 70/30)
- ✓ CuNi 90/10 (or CuNi 70/30) cladding on the tubesheets
- ✓ Installation of the sacrificial anode in the water chambers
- ✓ Ceramic coating on the inner surfaces of the headers (optional)



**Wieland Provides Srl**

Via Piave, 82 – 04100 Latina  
Tel. +39 0773 4401 – Fax. +39 0773 696874  
e-mail: [info.provides@wieland.com](mailto:info.provides@wieland.com)